

DRAFT Concept Note for the Guidebook for the Development and Implementation of Science, Technology and Innovation (STI) for SDGs Roadmap for the Six Transitions

Title: Guidebook for the Development and Implementation of Science, Technology and Innovation (STI) for SDGs Roadmap for the Six Transitions

Introduction

The 2030 Agenda for Sustainable Development launched the Sustainable Development Goals (SDGs) and the UN [Technology Facilitation Mechanism](#) (TFM) to support their implementation in 2015. The Agenda positioned science, technology, and innovation (STI) as one of the key means for achieving the SDGs and the annual STI Forum has been the main TFM platform for discussing topics of common interest to Member States and STI stakeholders. The 2017 Forum highlighted the importance of having STI Roadmaps and action plans at all levels to evaluate what is or is not working and track the progress of STI in achieving the SDGs. The first Guidebook served as a preparation of STI for SDGs Roadmaps by providing a framework, common language, and step-by-step advice for practical policymaking and communication purposes.

Purpose

This Guidebook builds upon the first one and promotes an inclusive, multi-stakeholder approach to the STI4SDGs. It offers step-by-step guidance on implementing the STI for SDGs framework, adapting to the evolving landscape since the first edition's publication. Serving as a valuable reference for textbooks and advanced courses on STI, the Guidebook empowers individuals with a basic understanding of STI Roadmaps with continued support and direction. The Guidebook also delves into the development of STI indicators and tracking systems, enabling effective monitoring of progress towards achieving the SDGs through STI.

Project Targets

The Guidebook is intended for interested policymakers at the national and local government levels, UN regional and country offices, as well as private institutions and industries that wish to use the Roadmaps as a policy tool to harness STI to achieve the SDGs. It may also be useful to key stakeholders participating in the dialogue and to a wider public audience wishing to advance the global SDG agendas.

Content

Drawing upon background research and existing resources, this Guidebook synthesizes key analytical insights and presents compelling policy narratives for national and international stakeholders. The Guidebook incorporates the latest UN resolutions and key outcomes related to STI Roadmaps, learnings from the Partnership in Action network, and insights gained from wider pilot testing of new guidelines. Furthermore, the Guidebook is envisioned as a living document, subject to periodic updates based on evolving knowledge and experiences gleaned from its practical application.

DRAFT Outline of the Guidebook

- Chapter 1: Introduction
- Chapter 2: Overview and mapping exercise to understand the landscape of skills, capability and activities related to STI Roadmaps
- Chapter 3: Deep dive of challenge led STI4SDG Roadmaps
- Chapter 4: The evolution of science systems as a prerequisite for the six sustainability transformations
- Chapter 5: Voluntary funding models on STI for the SDGs, STI Policy Instruments and Capacity Building in support of national implementation of the STI Roadmaps
- Chapter 6: Conclusion

Six Transitions: Investment Pathways to Deliver the SDGs: Rooted in the 17 Sustainable Development Goals, there are transformative entry points or key transitions that can have a catalytic and multiplier effect across the SDGs (see table). The metrics of success for these transitions are primarily in how they deliver for all people in our societies. These must be just and equitable transitions, with human rights, gender equality and the principle of Leaving No One Behind comprising their fundamental design elements.

The Six Transitions	
Transition 1	Food systems
Transition 2	Energy access and affordability
Transition 3	Digital connectivity
Transition 4	Education
Transition 5	Jobs and social protection
Transition 6	Climate change, biodiversity loss and pollution